

Abstract

A method of fabricating a polymer waveguide, comprising (a) forming a first polymer film in proximity to a substrate, the first polymer film comprising a nonlinear optical chromophore; (b) poling and crosslinking the first polymer film to provide a crosslinked first electro-optic polymer film; (c) forming a second polymer film comprising a nonlinear optical chromophore in proximity to the first electro-optic polymer film; and (d) poling the second polymer film to provide a second electro-optic polymer film.